Hallgrímsson, B., see McDougall, J.J., **141** 222
Hamon, M., see Brenchat, A., **141** 244
Harper, D., see Hollins, M., **141** 215
Helyes, Z., see Sándor, K., **141** 143
Henderson, L.A., see Wrigley, P.J., **141** 52
Hermann, C., see Wollgarten-Hadamek, I., **141** 165
Ho, T.W., Backonja, M., Ma, J., Leibensperger, H., Froman, S., Polydefkis, M., Efficient assessment of neuropathic pain drugs in patients with small fiber sensory neuropathies, **141** 19
Hodges, P.W., see Tucker, K.J., **141** 151
Hohmeister, J., see Wollgarten-Hadamek, I., **141** 165
Hollins, M., Harper, D., Gallagher, S., Owings, E.W., Lim, P.F., Miller, V., Siddiqi, M.Q., Maixner, W., Perceived intensity and unpleasantness of cutaneous and auditory stimuli: An evaluation of the generalized hypervigilance hypothesis, **141** 215

Ihlebaek, C.M., see Kamaleri, Y., **141** 25
Improta, G., see Agostini, S., **141** 292

Jasmin, L., Ohara, P.T., Pain free and awake to enjoy it! **141** 187

Kamaleri, Y., Natvig, B., Ihlebaek, C.M., Benth, J.S., Bruusgaard, D., Change in the number of musculoskeletal pain sites: A 14-year prospective study, **141** 25
Kaminska, D., see Obara, I., **141** 283
Kaufmann, H., see Téllez, M.J., **141** 178
Keaser, M., see Veldhuijzen, D.S., **141** 104
Keeble, J.E., Bodkin, J.V., Liang, L., Wodarski, R., Davies, M., Fernandes, E.S., de Faria Coelho, C., Russell, F., Graepel, R., Muscara, M.N., Malcangio, M., Brain, S.D., Hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vanilloid 1-dependent and independent mechanisms, **141** 135
Kerns, R.D., see Masheb, R.M., **141** 31
Kerr, B.J., see Olechowski, C.J., **141** 156
Kim, Yu.K., see Campbell, C.M., **141** 114
Knabl, J., Zeilhofer, U.B., Crestani, F., Rudolph, U., Zeilhofer, H.U., Genuine antihyperalgesia by systemic diazepam revealed by experiments in GABAA receptor point-mutated mice, **141** 233
Knowles, C.H., Aziz, Q., Basic and clinical aspects of gastrointestinal pain, **141** 191
Korostynski, M., see Obara, I., **141** 283

Lapeyre-Mestre, M., see Brefel-Courbon, C., **141** 14
Larivière, C., see Sullivan, M.J.L., **141** 70
Leibensperger, H., see Ho, T.W., **141** 19
Lekander, M., see Wicksell, R.K., **141** 248
Liang, L., see Keeble, J.E., **141** 135
Lim, G., see Wang, S., **141** 97
Lim, P.F., see Hollins, M., **141** 215
Loge, J.H., see Beiske, A.G., **141** 173
Loï, R., see Brefel-Courbon, C., **141** 14
Lozano, C., see Masheb, R.M., **141** 31

Ma, J., see Ho, T.W., **141** 19
Macefield, V.G., see Wrigley, P.J., **141** 52
Macfarlane, G.J., see Nicholl, B.I., **141** 119
Maixner, W., see Hollins, M., **141** 215
Maixner, W., see Dubner, R., **141** 181
Makuch, W., see Obara, I., **141** 283
Malcangio, M., see Keeble, J.E., **141** 135
Maldonado, R., see Cabañero, D., **141** 88
Mao, J., see Wang, S., **141** 97
Mao, J., see Wang, S., **141** 97
Marlow, N., see Walker, S.M., **141** 79
Masheb, R.M., Kerns, R.D., Lozano, C., Minkin, M.J., Richman, S., A randomized clinical trial for women with vulvodynia: Cognitive-behavioral therapy vs. supportive psychotherapy, **141** 31
Mata, M., see Cabañero, D., **141** 88
Matyas, J.R., see McDougall, J.J., **141** 222
McBeth, J., see Nicholl, B.I., **141** 119
McDougall, J.J., Andruski, B., Schuelert, N., Hallgrímsson, B., Matyas, J.R., Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs, **141** 222
McDougall, J.J., see Sándor, K., **141** 143
McQuay, H.J., see Straube, S., **141** 10
Melin, L., see Wicksell, R.K., **141** 248
Meng, I.D., see Ogawa, A., **141** 269
Micallef-Roll, J., see Brefel-Courbon, C., **141** 14
Middleton, J.W., see Wrigley, P.J., **141** 52
Miller, V., see Hollins, M., **141** 215
Minkin, M.J., see Masheb, R.M., **141** 31
Moore, R.A., see Straube, S., **141** 10
Morriss, R., see Nicholl, B.I., **141** 119
Muscara, M.N., see Keeble, J.E., **141** 135
Myles, J., see Walker, S.M., **141** 79

Natvig, B., see Kamaleri, Y., **141** 25
Nemenov, M.I., see Veldhuijzen, D.S., **141** 104
Nicholl, B.I., Macfarlane, G.J., Davies, K.A., Morriss, R., Dickens, C., McBeth, J., Premorbid psychosocial factors are associated with poor health-related quality of life in subjects with new onset of chronic widespread pain – Results from the EPIFUND study, **141** 119

Obara, I., Parkitna, J.R., Korostynski, M., Makuch, W., Kaminska, D., Przewlocka, B., Przewlocki, R., Local peripheral opioid effects and expression of opioid genes in the spinal cord and dorsal root ganglia in neuropathic and inflammatory pain, **141** 283
Ogawa, A., Meng, I.D., Differential effects of the cannabinoid receptor agonist, WIN 55,212-2, on lamina I and lamina V spinal trigeminal nucleus caudalis neurons, **141** 269
Ohara, P.T., see Jasmin, L., **141** 187
Olechowski, C.J., Truong, J.J., Kerr, B.J., Neuropathic pain behaviours in a chronic-relapsing model of experimental autoimmune encephalomyelitis (EAE), **141** 156
Oliveira, M.C.G., Pelegrini-da-Silva, A., Tambeli, C.H., Parada, C.A., Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia, **141** 127
Olsson, G.L., see Wicksell, R.K., **141** 248
Owings, E.W., see Hollins, M., **141** 215

Palermo, T.M., Enhancing daily functioning with exposure and acceptance strategies: An important stride in the development of psychological therapies for pediatric chronic pain, **141** 189
Parada, C.A., see Oliveira, M.C.G., **141** 127
Parkitna, J.R., see Obara, I., **141** 283
Pedersen, N.S., see Gazerani, P., **141** 60
Pelegrini-da-Silva, A., see Oliveira, M.C.G., **141** 127
Pethő, G., see Sándor, K., **141** 143
Petrella, C., see Agostini, S., **141** 292
Pintér, E., see Sándor, K., **141** 143
Polydefkis, M., see Ho, T.W., **141** 19
Press, S.R., see Wrigley, P.J., **141** 52
Przewlocka, B., see Obara, I., **141** 283
Przewlocki, R., see Obara, I., **141** 283
Puig, M.M., see Cabañero, D., **141** 88
Pujol, M., see Brenchat, A., **141** 239

Reese, J.B., Results from an RCT testing a psychosocial treatment for vulvodynia: Methodological strengths and future directions, **141** 8
Reglődi, D., see Sándor, K., **141** 143
Richman, S., see Masheb, R.M., **141** 31
Roe, A.W., see Chen, L.M., **141** 258
Rollman, G.B., Perspectives on hypervigilance, **141** 183
Romero, L., see Brenchat, A., **141** 239
Rønningen, A., see Beiske, A.G., **141** 173
Roques, B.P., see Cabañero, D., **141** 88

Rudolph, U., see Knabl, J., **141** 233
Russell, F., see Keeble, J.E., **141** 135

Sándor, K., Bölcskei, K., McDougall, J.J., Schuelert, N., Reglődi, D., Elekes, K., Pethő, G., Pintér, E., Szolcsányi, J., Helyes, Z., Divergent peripheral effects of pituitary adenylate cyclase-activating polypeptide-38 on nociception in rats and mice, **141** 143
Schuelert, N., see Sándor, K., **141** 143
Schuelert, N., see McDougall, J.J., **141** 222
Segerdahl, M., Improving early clinical drug development for neuropathic pain by improving patient selection, **141** 4
Siddall, P.J., see Wrigley, P.J., **141** 52
Siddiqi, M.Q., see Hollins, M., **141** 215
Sisodiya, S.M., see Charlesworth, G., **141** 300
Smith, S., see Charlesworth, G., **141** 300
Soryal, I., see Charlesworth, G., **141** 300
Staahl, C., see Gazerani, P., **141** 60
Stocks, J., see Walker, S.M., **141** 79
Stone, L.S., Joint degeneration and chronic pain: Still looking for the missing link, **141** 185
Straube, S., Derry, S., McQuay, H.J., Vitamin D and chronic pain, **141** 10
Sullivan, M.J.L., Thibault, P., Andrikonyte, J., Butler, H., Catchlove, R., Larivière, C., Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain, **141** 70
Sung, B., see Wang, S., **141** 97
Svensson, E., see Beiske, A.G., **141** 173
Szolcsányi, J., see Sándor, K., **141** 143

Tambeli, C.H., see Oliveira, M.C.G., **141** 127
Téllez, M.J., Axelrod, F., Kaufmann, H., The R3 component of the electrically elicited blink reflex is present in patients with congenital insensitivity to pain, **141** 178
Thalamas, C., see Brefel-Courbon, C., **141** 14
Theodorou, V., see Agostini, S., **141** 292
Thibault, P., see Sullivan, M.J.L., **141** 70
Thomas, J.S., see Trost, Z., **141** 276
Torrens, A., see Brenchat, A., **141** 239
Trost, Z., France, C.R., Thomas, J.S., Examination of the photograph series of daily activities (PHODA) scale in chronic low back pain patients with high and low kinesiophobia, **141** 276
Truong, J.J., see Olechowski, C.J., **141** 156
Tucker, K.J., Hodges, P.W., Motoneurone recruitment is altered with pain induced in non-muscular tissue, **141** 151

Uhart, M., see Campbell, C.M., **141** 114

Vela, J.M., see Brenchat, A., **141** 239
Veldhuijzen, D.S., Nemenov, M.I., Keaser, M., Zhuo, J., Gullapalli, R.P., Greenspan, J.D., Differential brain activation associated with laser-evoked burning and pricking pain: An event-related fMRI study, **141** 104

Walker, S.M., Franck, L.S., Fitzgerald, M., Myles, J., Stocks, J., Marlow, N., Long-term impact of neonatal intensive care and surgery on somatosensory perception in children born extremely preterm, **141** 79
Wand, G., see Campbell, C.M., **141** 114
Wang, S., Lim, G., Mao, J., Sung, B., Mao, J., Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141** 97
Wicksell, R.K., Melin, L., Lekander, M., Olsson, G.L., Evaluating the effectiveness of exposure and acceptance strategies to improve functioning and quality of life in longstanding pediatric pain – A randomized controlled trial, **141** 248
Wodarski, R., see Keeble, J.E., **141** 135
Wollgarten-Hadamek, I., Hohmeister, J., Demirakça, S., Zohsel, K., Flor, H., Hermann, C., Do burn injuries during infancy affect pain and sensory sensitivity in later childhood? **141** 165
Wrigley, P.J., Press, S.R., Gustin, S.M., Macefield, V.G., Gandevia, S.C., Cousins, M.J., Middleton, J.W., Henderson, L.A., Siddall, P.J., Neuropathic pain and primary somatosensory cortex reorganization following spinal cord injury, **141** 52

Zamanillo, D., see Brenchat, A., **141** 239
Zeilhofer, H.U., see Knabl, J., **141** 233
Zeilhofer, U.B., see Knabl, J., **141** 233
Zhuo, J., see Veldhuijzen, D.S., **141** 104
Zohsel, K., see Wollgarten-Hadamek, I., **141** 165

PAIN 141 (2009) 309–314

PAIN

www.elsevier.com/locate/pain

Subject Index to Volume 141 (2009)

Acceptance
Evaluating the effectiveness of exposure and acceptance strategies to improve functioning and quality of life in longstanding pediatric pain – A randomized controlled trial, **141**, 248
Acceptance and Commitment Therapy (ACT)
Evaluating the effectiveness of exposure and acceptance strategies to improve functioning and quality of life in longstanding pediatric pain – A randomized controlled trial, **141**, 248
Activity induced pain
Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain, **141**, 70
Administration
Pain free and awake to enjoy it! **141**, 189
Age
Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs, **141**, 222
Allodynia
Neuropathic pain behaviours in a chronic-relapsing model of experimental autoimmune encephalomyelitis (EAE), **141**, 156
Amplification
Perceived intensity and unpleasantness of cutaneous and auditory stimuli: An evaluation of the generalized hypervigilance hypothesis, **141**, 215
Analgesia
Pain free and awake to enjoy it! **141**, 189
Analgesic drugs
Comparison of chronic analgesic drugs prevalence in Parkinson's disease, other chronic diseases and the general population, **141**, 14
Animal model
Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs, **141**, 222
Antisense
Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia, **141**, 127
Anxiety
Pain free and awake to enjoy it! **141**, 189
ATP
Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia, **141**, 127
Benzodiazepine
Genuine antihyperalgesia by systemic diazepam revealed by experiments in $GABA_A$ receptor point-mutated mice, **141**, 233
Benzodiazepine
Pain free and awake to enjoy it! **141**, 189
Blink
The R3 component of the electrically elicited blink reflex is present in patients with congenital insensitivity to pain, **141**, 178
Botulinum toxin
Subcutaneous Botulinum toxin type A reduces capsaicin-induced trigeminal pain and vasomotor reactions in human skin, **141**, 60
Brainstem
The R3 component of the electrically elicited blink reflex is present in patients with congenital insensitivity to pain, **141**, 178
Burn injury
Do burn injuries during infancy affect pain and sensory sensitivity in later childhood? **141**, 165
Burning pain
Differential brain activation associated with laser-evoked burning and pricking pain: An event-related fMRI study, **141**, 104
Cannabinoid
Differential effects of the cannabinoid receptor agonist, WIN 55,212-2, on lamina I and lamina V spinal trigeminal nucleus caudalis neurons, **141**, 269
Capsaicin
$5\text{-}HT_7$ receptor activation inhibits mechanical hypersensitivity secondary to capsaicin sensitization in mice, **141**, 239
Capsaicin
Polymorphisms in the GTP cyclohydrolase gene (*GCH1*) are associated with ratings of capsaicin pain, **141**, 114
Capsaicin
Subcutaneous Botulinum toxin type A reduces capsaicin-induced trigeminal pain and vasomotor reactions in human skin, **141**, 60
Carrageenan
Divergent peripheral effects of pituitary adenylate cyclase-activating polypeptide-38 on nociception in rats and mice, **141**, 143
Carrageenan
Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia, **141**, 127
Catalase
Hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vanilloid 1-dependent and independent mechanisms, **141**, 135
Catastrophizing
Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain, **141**, 70
Central sensitization
$5\text{-}HT_7$ receptor activation inhibits mechanical hypersensitivity secondary to capsaicin sensitization in mice, **141**, 239
Central sensitization
Do burn injuries during infancy affect pain and sensory sensitivity in later childhood? **141**, 165
Children
Evaluating the effectiveness of exposure and acceptance strategies to improve functioning and quality of life in

doi:10.1016/S0304-3959(09)00035-9

longstanding pediatric pain – A randomized controlled trial, **141**, 248
Children
Long-term impact of neonatal intensive care and surgery on somatosensory perception in children born extremely preterm, **141**, 79
Chronic pain
Comparison of chronic analgesic drugs prevalence in Parkinson's disease, other chronic diseases and the general population, **141**, 14
Chronic pain
Evaluating the effectiveness of exposure and acceptance strategies to improve functioning and quality of life in longstanding pediatric pain – A randomized controlled trial, **141**, 248
Chronic pain
Examination of the photograph series of daily activities (PHODA) scale in chronic low back pain patients with high and low kinesiophobia, **141**, 276
Chronic pain
Neuropathic pain and primary somatosensory cortex reorganization following spinal cord injury, **141**, 52
Cognitive behavior therapy (CBT)
Evaluating the effectiveness of exposure and acceptance strategies to improve functioning and quality of life in longstanding pediatric pain – A randomized controlled trial, **141**, 248
Cognitive-behavioral therapy
A randomized clinical trial for women with vulvodynia: Cognitive-behavioral therapy vs. supportive psychotherapy, **141**, 31
Colonic inflammation
Peripheral anti-nociceptive effect of nociceptin/orphanin/FQ in inflammation and stress-induced colonic hyperalgesia in rats, **141**, 292
Comorbidity
Change in the number of musculoskeletal pain sites: A 14-year prospective study, **141**, 25
Cooling
Trpv1 mediates spontaneous firing and heat sensitization of cutaneous primary afferents after plantar incision, **141**, 41
Cortical pain processing
Acute, localised paroxysmal pain as the initial manifestation of focal seizures: A case report and a brief review of the literature, **141**, 300
CWP
Premorbid psychosocial factors are associated with poor health-related quality of life in subjects with new onset of chronic widespread pain – Results from the EPIFUND study, **141**, 119
Cytokines
Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia, **141**, 127
Depression
Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain, **141**, 70
Development
Long-term impact of neonatal intensive care and surgery on somatosensory perception in children born extremely preterm, **141**, 79
Diazepam
Genuine antihyperalgesia by systemic diazepam revealed by experiments in $GABA_A$ receptor point-mutated mice, **141**, 233
Digit
Area-specific representation of mechanical nociceptive stimuli within SI cortex of squirrel monkeys, **141**, 258
Diode laser
Differential brain activation associated with laser-evoked burning and pricking pain: An event-related fMRI study, **141**, 104
Disability
Evaluating the effectiveness of exposure and acceptance strategies to improve functioning and quality of life in longstanding pediatric pain – A randomized controlled trial, **141**, 248
Discharge rate
Motoneurone recruitment is altered with pain induced in non-muscular tissue, **141**, 151
DOR and MOR expression
The pro-nociceptive effects of remifentanil or surgical injury in mice are associated with a decrease in delta-opioid receptor mRNA levels: Prevention of the nociceptive response by on-site delivery of enkephalins, **141**, 88
Dorsal root ganglia
Local peripheral opioid effects and expression of opioid genes in the spinal cord and dorsal root ganglia in neuropathic and inflammatory pain, **141**, 283
Dysesthetic
A randomized clinical trial for women with vulvodynia: Cognitive-behavioral therapy vs. supportive psychotherapy, **141**, 31
EAE
Neuropathic pain behaviours in a chronic-relapsing model of experimental autoimmune encephalomyelitis (EAE), **141**, 156
Early pain
Do burn injuries during infancy affect pain and sensory sensitivity in later childhood? **141**, 165
Electrophysiological recordings
Divergent peripheral effects of pituitary adenylate cyclase-activating polypeptide-38 on nociception in rats and mice, **141**, 143
Electrophysiology
Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs, **141**, 222
Enkephalinase inhibition by RB101
The pro-nociceptive effects of remifentanil or surgical injury in mice are associated with a decrease in delta-opioid receptor mRNA levels: Prevention of the nociceptive response by on-site delivery of enkephalins, **141**, 88
Enrichment strategy
Efficient assessment of neuropathic pain drugs in patients with small fiber sensory neuropathies, **141**, 19
Epilepsy
Acute, localised paroxysmal pain as the initial manifestation of focal seizures: A case report and a brief review of the literature, **141**, 300
Event-related fMRI
Differential brain activation associated with laser-evoked burning and pricking pain: An event-related fMRI study, **141**, 104
Experimental pain
Polymorphisms in the GTP cyclohydrolase gene (*GCH1*) are associated with ratings of capsaicin pain, **141**, 114
Experimental pain
Subcutaneous Botulinum toxin type A reduces capsaicin-induced trigeminal pain and vasomotor reactions in human skin, **141**, 60
Exposure
Examination of the photograph series of daily activities (PHODA) scale in chronic low back pain patients with high and low kinesiophobia, **141**, 276
Facial pain
Acute, localised paroxysmal pain as the initial manifestation of focal seizures: A case report and a brief review of the literature, **141**, 300

Fear
Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain, **141**, 70
Fibromyalgia (FM)
Perceived intensity and unpleasantness of cutaneous and auditory stimuli: An evaluation of the generalized hypervigilance hypothesis, **141**, 215
Focal seizures
Acute, localised paroxysmal pain as the initial manifestation of focal seizures: A case report and a brief review of the literature, **141**, 300
Force
Motoneurone recruitment is altered with pain induced in non-muscular tissue, **141**, 151
Formalin test
Divergent peripheral effects of pituitary adenylate cyclase-activating polypeptide-38 on nociception in rats and mice, **141**, 143
GABA
Pain free and awake to enjoy it! **141**, 189
$GABA_A$ receptor
Genuine antihyperalgesia by systemic diazepam revealed by experiments in $GABA_A$ receptor point-mutated mice, **141**, 233
Gabapentin
Efficient assessment of neuropathic pain drugs in patients with small fiber sensory neuropathies, **141**, 19
Gastrointestinal pain
Basic and clinical aspects of gastrointestinal pain, **141**, 191
GCH1
Polymorphisms in the GTP cyclohydrolase gene (*GCH1*) are associated with ratings of capsaicin pain, **141**, 114
Genetics
Polymorphisms in the GTP cyclohydrolase gene (*GCH1*) are associated with ratings of capsaicin pain, **141**, 114
Gliosis
Neuropathic pain behaviours in a chronic-relapsing model of experimental autoimmune encephalomyelitis (EAE), **141**, 156
GTP cyclohydrolase
Polymorphisms in the GTP cyclohydrolase gene (*GCH1*) are associated with ratings of capsaicin pain, **141**, 114
Health-related quality of life
Premorbid psychosocial factors are associated with poor health-related quality of life in subjects with new onset of chronic widespread pain – Results from the EPIFUND study, **141**, 119
Histopathology
Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs, **141**, 222
HSV proenkephalin vector
The pro-nociceptive effects of remifentanil or surgical injury in mice are associated with a decrease in delta-opioid receptor mRNA levels: Prevention of the nociceptive response by on-site delivery of enkephalins, **141**, 88
Hydrogen peroxide
Hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vanilloid 1-dependent and independent mechanisms, **141**, 135
Hyperalgesia
Genuine antihyperalgesia by systemic diazepam revealed by experiments in $GABA_A$ receptor point-mutated mice, **141**, 233
Hyperalgesia
Hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vanilloid 1-dependent and independent mechanisms, **141**, 135
Hypervigilance
Perceived intensity and unpleasantness of cutaneous and auditory stimuli: An evaluation of the generalized hypervigilance hypothesis, **141**, 215
IL-6
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141**, 97
Incision
Trpv1 mediates spontaneous firing and heat sensitization of cutaneous primary afferents after plantar incision, **141**, 41
Inflammation
Local peripheral opioid effects and expression of opioid genes in the spinal cord and dorsal root ganglia in neuropathic and inflammatory pain, **141**, 283
Intensive care
Long-term impact of neonatal intensive care and surgery on somatosensory perception in children born extremely preterm, **141**, 79
Intrathecal
Pain free and awake to enjoy it! **141**, 189
Intrinsic optical imaging
Area-specific representation of mechanical nociceptive stimuli within SI cortex of squirrel monkeys, **141**, 258
Joint afferents
Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs, **141**, 222
Kinesiophobia
Examination of the photograph series of daily activities (PHODA) scale in chronic low back pain patients with high and low kinesiophobia, **141**, 276
Knee joint afferents
Divergent peripheral effects of pituitary adenylate cyclase-activating polypeptide-38 on nociception in rats and mice, **141**, 143
Lipid peroxidation
Hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vanilloid 1-dependent and independent mechanisms, **141**, 135
Mechanical allodynia
Divergent peripheral effects of pituitary adenylate cyclase-activating polypeptide-38 on nociception in rats and mice, **141**, 143
Mechanical hypersensitivity
$5\text{-}HT_7$ receptor activation inhibits mechanical hypersensitivity secondary to capsaicin sensitization in mice, **141**, 239
Mechanical inflammatory hyperalgesia
Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia, **141**, 127
Mechanical nociception
Area-specific representation of mechanical nociceptive stimuli within SI cortex of squirrel monkeys, **141**, 258
Micro-computerized
Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs, **141**, 222
Motor unit recruitment
Motoneurone recruitment is altered with pain induced in non-muscular tissue, **141**, 151
Muscle pain
Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain, **141**, 70
Musculoskeletal pain
Change in the number of musculoskeletal pain sites: A 14-year prospective study, **141**, 25
Musculoskeletal pain
Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain, **141**, 70

Neonate
Long-term impact of neonatal intensive care and surgery on somatosensory perception in children born extremely preterm, **141**, 79
Neuropathic pain
Efficient assessment of neuropathic pain drugs in patients with small fiber sensory neuropathies, **141**, 19
Neuropathic pain
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141**, 97
Neuropathy
Local peripheral opioid effects and expression of opioid genes in the spinal cord and dorsal root ganglia in neuropathic and inflammatory pain, **141**, 283
Neutrophils
Hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vanilloid 1-dependent and independent mechanisms, **141**, 135
Neutrophils
Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia, **141**, 127
NF-kappa B
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141**, 97
NF-kappaB Inhibitor
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141**, 97
NMDA receptor
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141**, 97
Nociceptin
Peripheral anti-nociceptive effect of nociceptin/orphanin/FQ in inflammation and stress-induced colonic hyperalgesia in rats, **141**, 292
Nociception
Basic and clinical aspects of gastrointestinal pain, **141**, 191
Nociception
Differential effects of the cannabinoid receptor agonist, WIN 55,212-2, on lamina I and lamina V spinal trigeminal nucleus caudalis neurons, **141**, 269
NOP-receptor
Peripheral anti-nociceptive effect of nociceptin/orphanin/FQ in inflammation and stress-induced colonic hyperalgesia in rats, **141**, 292
NR1
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141**, 97
Number of pain sites
Change in the number of musculoskeletal pain sites: A 14-year prospective study, **141**, 25
Opioid-induced pronociception
The pro-nociceptive effects of remifentanil or surgical injury in mice are associated with a decrease in delta-opioid receptor mRNA levels: Prevention of the nociceptive response by on-site delivery of enkephalins, **141**, 88
Opioids
Local peripheral opioid effects and expression of opioid genes in the spinal cord and dorsal root ganglia in neuropathic and inflammatory pain, **141**, 283
Osteoarthritis
Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs, **141**, 222
P2X3,2/3 receptors
Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia, **141**, 127
Pain
5-HT_7 receptor activation inhibits mechanical hypersensitivity secondary to capsaicin sensitization in mice, **141**, 239
Pain
Change in the number of musculoskeletal pain sites: A 14-year prospective study, **141**, 25
Pain
Genuine antihyperalgesia by systemic diazepam revealed by experiments in $GABA_A$ receptor point-mutated mice, **141**, 233
Pain
Local peripheral opioid effects and expression of opioid genes in the spinal cord and dorsal root ganglia in neuropathic and inflammatory pain, **141**, 283
Pain
Long-term impact of neonatal intensive care and surgery on somatosensory perception in children born extremely preterm, **141**, 79
Pain
Motoneurone recruitment is altered with pain induced in non-muscular tissue, **141**, 151
Pain
Pain in Parkinson's disease: Prevalence and characteristics, **141**, 173
Pain
Peripheral anti-nociceptive effect of nociceptin/orphanin/FQ in inflammation and stress-induced colonic hyperalgesia in rats, **141**, 292
Pain
Polymorphisms in the GTP cyclohydrolase gene (*GCH1*) are associated with ratings of capsaicin pain, **141**, 114
Pain
The R3 component of the electrically elicited blink reflex is present in patients with congenital insensitivity to pain, **141**, 178
Pain sensitivity
Do burn injuries during infancy affect pain and sensory sensitivity in later childhood? **141**, 165
Pain-related fear
Examination of the photograph series of daily activities (PHODA) scale in chronic low back pain patients with high and low kinesiophobia, **141**, 276
Painful seizures
Acute, localised paroxysmal pain as the initial manifestation of focal seizures: A case report and a brief review of the literature, **141**, 300
Parkinson's disease
Comparison of chronic analgesic drugs prevalence in Parkinson's disease, other chronic diseases and the general population, **141**, 14
Parkinson's disease
Pain in Parkinson's disease: Prevalence and characteristics, **141**, 173
Peripheral neuropathy
Efficient assessment of neuropathic pain drugs in patients with small fiber sensory neuropathies, **141**, 19
PHODA
Examination of the photograph series of daily activities (PHODA) scale in chronic low back pain patients with high and low kinesiophobia, **141**, 276
Placebo response
Efficient assessment of neuropathic pain drugs in patients with small fiber sensory neuropathies, **141**, 19
Plasticity
Neuropathic pain and primary somatosensory cortex reorganization following spinal cord injury, **141**, 52

Point mutation
Genuine antihyperalgesia by systemic diazepam revealed by experiments in $GABA_A$ receptor point-mutated mice, **141**, 233
Population-based
Premorbid psychosocial factors are associated with poor health-related quality of life in subjects with new onset of chronic widespread pain – Results from the EPIFUND study, **141**, 119
Postoperative pain
The pro-nociceptive effects of remifentanil or surgical injury in mice are associated with a decrease in delta-opioid receptor mRNA levels: Prevention of the nociceptive response by on-site delivery of enkephalins, **141**, 88
Prevalence
Comparison of chronic analgesic drugs prevalence in Parkinson's disease, other chronic diseases and the general population, **141**, 14
Prevalence
Pain in Parkinson's disease: Prevalence and characteristics, **141**, 173
Pricking pain
Differential brain activation associated with laser-evoked burning and pricking pain: An event-related fMRI study, **141**, 104
Primary afferent sensitization
Trpv1 mediates spontaneous firing and heat sensitization of cutaneous primary afferents after plantar incision, **141**, 41
Primary somatosensory cortex
Area-specific representation of mechanical nociceptive stimuli within SI cortex of squirrel monkeys, **141**, 258
Primate
Area-specific representation of mechanical nociceptive stimuli within Si cortex of squirrel monkeys, **141**, 258
Prospective
Premorbid psychosocial factors are associated with poor health-related quality of life in subjects with new onset of chronic widespread pain – Results from the EPIFUND study, **141**, 119
Prospective study
Change in the number of musculoskeletal pain sites: A 14-year prospective study, **141**, 25
Psychosocial
Premorbid psychosocial factors are associated with poor health-related quality of life in subjects with new onset of chronic widespread pain – Results from the EPIFUND study, **141**, 119
Quantitative sensory testing (QST)
Long-term impact of neonatal intensive care and surgery on somatosensory perception in children born extremely preterm, **141**, 79
Rat
Differential effects of the cannabinoid receptor agonist, WIN 55,212-2, on lamina I and lamina V spinal trigeminal nucleus caudalis neurons, **141**, 269
Receptor subunits
Pain free and awake to enjoy it!, **141**, 189
S1 reorganization
Neuropathic pain and primary somatosensory cortex reorganization following spinal cord injury, **141**, 52
Scaling
Perceived intensity and unpleasantness of cutaneous and auditory stimuli: An evaluation of the generalized hypervigilance hypothesis, **141**, 215
Sedation
Pain free and awake to enjoy it!, **141**, 189
Sensitisation
Basic and clinical aspects of gastrointestinal pain, **141**, 191
Sensory sensitivity
Do burn injuries during infancy affect pain and sensory sensitivity in later childhood? **141**, 165
Serotonin 5-HT_7 receptor
5-HT_7 receptor activation inhibits mechanical hypersensitivity secondary to capsaicin sensitization in mice, **141**, 239
Skin biopsy
Efficient assessment of neuropathic pain drugs in patients with small fiber sensory neuropathies, **141**, 19
Skin-nerve preparation
Trpv1 mediates spontaneous firing and heat sensitization of cutaneous primary afferents after plantar incision, **141**, 41
Somatosensory
Long-term impact of neonatal intensive care and surgery on somatosensory perception in children born extremely preterm, **141**, 79
Somatosensory seizures
Acute, localised paroxysmal pain as the initial manifestation of focal seizures: A case report and a brief review of the literature, **141**, 300
Spinal cord
Genuine antihyperalgesia by systemic diazepam revealed by experiments in $GABA_A$ receptor point-mutated mice, **141**, 233
Spinal cord
Local peripheral opioid effects and expression of opioid genes in the spinal cord and dorsal root ganglia in neuropathic and inflammatory pain, **141**, 283
Spontaneous activity
Trpv1 mediates spontaneous firing and heat sensitization of cutaneous primary afferents after plantar incision, **141**, 41
Stress
Peripheral anti-nociceptive effect of nociceptin/orphanin/FQ in inflammation and stress-induced colonic hyperalgesia in rats, **141**, 292
Superoxide dismutase
Hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vanilloid 1-dependent and independent mechanisms, **141**, 135
Systemic administration
Pain free and awake to enjoy it! **141**, 189
T cell
Neuropathic pain behaviours in a chronic-relapsing model of experimental autoimmune encephalomyelitis (EAE), **141**, 156
Temporal summation
Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain, **141**, 70
Temporomandibular disorders (TMD)
Perceived intensity and unpleasantness of cutaneous and auditory stimuli: An evaluation of the generalized hypervigilance hypothesis, **141**, 215
Temporomandibular joint inflammation
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141**, 97
Thermal hyperalgesia
Divergent peripheral effects of pituitary adenylate cyclase-activating polypeptide-38 on nociception in rats and mice, **141**, 143
TMJ
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141**, 97
Tomography
Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs, **141**, 222
Touch
Area-specific representation of mechanical nociceptive stimuli within SI cortex of squirrel monkeys, **141**, 258

Tramadol clinical trials methodology/study design
Efficient assessment of neuropathic pain drugs in patients with small fiber sensory neuropathies, **141**, 19
Transient receptor potential vanilloid 1
Hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vanilloid 1-dependent and independent mechanisms, **141**, 135
Treatment
Pain in Parkinson's disease: Prevalence and characteristics, **141**, 173
Trigeminal
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats, **141**, 97
Trigeminal
The R3 component of the electrically elicited blink reflex is present in patients with congenital insensitivity to pain, **141**, 178
Trigeminal nucleus caudalis
Differential effects of the cannabinoid receptor agonist, WIN 55,212-2, on lamina I and lamina V spinal trigeminal nucleus caudalis neurons, **141**, 269
TrpV1
Trpv1 mediates spontaneous firing and heat sensitization of cutaneous primary afferents after plantar incision, **141**, 41
Ullensaker study
Change in the number of musculoskeletal pain sites: A 14-year prospective study, **141**, 25
Unpleasantness
Perceived intensity and unpleasantness of cutaneous and auditory stimuli: An evaluation of the generalized hypervigilance hypothesis, **141**, 215
Vestibulitis
A randomized clinical trial for women with vulvodynia: Cognitive-behavioral therapy vs. supportive psychotherapy, **141**, 31
Visceral hypersensitivity
Basic and clinical aspects of gastrointestinal pain, **141**, 191
Visceral hypersensitivity
Peripheral anti-nociceptive effect of nociceptin/orphanin/FQ in inflammation and stress-induced colonic hyperalgesia in rats, **141**, 292
Visceral pain
Basic and clinical aspects of gastrointestinal pain, **141**, 191
Vulvar pain
A randomized clinical trial for women with vulvodynia: Cognitive-behavioral therapy vs. supportive psychotherapy, **141**, 31
Vulvodynia
A randomized clinical trial for women with vulvodynia: Cognitive-behavioral therapy vs. supportive psychotherapy, **141**, 31
Writhing test
Divergent peripheral effects of pituitary adenylate cyclase-activating polypeptide-38 on nociception in rats and mice, **141**, 143

PAIN 141 (2009) 315–317

PAIN

www.elsevier.com/locate/pain

Contents to Volume 141 (2009)

Numbers 1-2 – January 2009

EDITORIALS

Change is coming!
A.I. Basbaum (USA) 1
Pain in Parkinson's disease (PD)
J. Boivie (Sweden) 2
Improving early clinical drug development for neuropathic pain by improving patient selection
M. Segerdahl (Sweden) 4
The question is not "have you got it"? But "how much of it have you got"?
P. Croft (UK) 6
Results from an RCT testing a psychosocial treatment for vulvodynia: Methodological strengths and future directions
J.B. Reese (USA) 8

TOPICAL REVIEW

Vitamin D and chronic pain
S. Straube, R.A. Moore, S. Derry, H.J. McQuay (UK) 10

RESEARCH PAPERS

Comparison of chronic analgesic drugs prevalence in Parkinson's disease, other chronic diseases and the general population*
C. Brefel-Courbon, S. Grolleau, C. Thalamas, R. Bourrel, V. Allaria-Lapierre, R. Loï, J. Micallef-Roll, M. Lapeyre-Mestre (France) 14
Efficient assessment of neuropathic pain drugs in patients with small fiber sensory neuropathies*
T.W. Ho, M. Backonja, J. Ma, H. Leibensperger, S. Froman, M. Polydefkis (USA) 19
Change in the number of musculoskeletal pain sites: A 14-year prospective study*
Y. Kamaleri, B. Natvig, C.M. Ihlebaek, J.S. Benth, D. Bruusgaard (Norway) 25
A randomized clinical trial for women with vulvodynia: Cognitive-behavioral therapy vs. supportive psychotherapy*
R.M. Masheb, R.D. Kerns, C. Lozano, M.J. Minkin, S. Richman (USA) 31
Trpv1 mediates spontaneous firing and heat sensitization of cutaneous primary afferents after plantar incision
R.K. Banik, T.J. Brennan (USA) 41
Neuropathic pain and primary somatosensory cortex reorganization following spinal cord injury
P.J. Wrigley, S.R. Press, S.M. Gustin, V.G. Macefield, S.C. Gandevia, M.J. Cousins, J.W. Middleton, L.A. Henderson, P.J. Siddall (Australia) 52
Subcutaneous Botulinum toxin type A reduces capsaicin-induced trigeminal pain and vasomotor reactions in human skin
P. Gazerani, N.S. Pedersen, C. Staahl, A.M. Drewes, L. Arendt-Nielsen (Denmark, Canada) 60
Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain
M.J.L. Sullivan, P. Thibault, J. Andrikonyte, H. Butler, R. Catchlove, C. Larivière (Canada, The Netherlands) 70
Long-term impact of neonatal intensive care and surgery on somatosensory perception in children born extremely preterm
S.M. Walker, L.S. Franck, M. Fitzgerald, J. Myles, J. Stocks, N. Marlow (UK) 79
The pro-nociceptive effects of remifentanil or surgical injury in mice are associated with a decrease in delta-opioid receptor mRNA levels: Prevention of the nociceptive response by on-site delivery of enkephalins
D. Cabañero, E. Célérier, P. García-Nogales, M. Mata, B.P. Roques, R. Maldonado, M.M. Puig (Spain, USA, France) 88
Regulation of the trigeminal NR1 subunit expression induced by inflammation of the temporomandibular joint region in rats
S. Wang, G. Lim, J. Mao, B. Sung, J. Mao (USA) 97
Differential brain activation associated with laser-evoked burning and pricking pain: An event-related fMRI study
D.S. Veldhuijzen, M.I. Nemenov, M. Keaser, J. Zhuo, R.P. Gullapalli, J.D. Greenspan (USA, The Netherlands) 104
Polymorphisms in the GTP cyclohydrolase gene (*GCH1*) are associated with ratings of capsaicin pain
C.M. Campbell, R.R. Edwards, C. Carmona, M. Uhart, G. Wand, A. Carteret, Y.K. Kim, J. Frost, J.N. Campbell (USA, South Korea) 114
Premorbid psychosocial factors are associated with poor health-related quality of life in subjects with new onset of chronic widespread pain – Results from the EPIFUND study
B.I. Nicholl, G.J. Macfarlane, K.A. Davies, R. Morriss, C. Dickens, J. McBeth (UK) 119
Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia
M.C.G. Oliveira, A. Pelegrini-da-Silva, C.H. Tambeli, C.A. Parada (Brazil) 127

doi:10.1016/S0304-3959(09)00036-0

Hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vanilloid 1-dependent and independent mechanisms
J.E. Keeble, J.V. Bodkin, L. Liang, R. Wodarski, M. Davies, E.S. Fernandes, C. de Faria Coelho, F. Russell, R. Graepel, M.N. Muscara, M. Malcangio, S.D. Brain (UK, Brazil) 135
Divergent peripheral effects of pituitary adenylate cyclase-activating polypeptide-38 on nociception in rats and mice
K. Sándor, K. Bölcskei, J.J. McDougall, N. Schuelert, D. Reglődi, K. Elekes, G. Pethő, E. Pintér, J. Szolcsányi, Z. Helyes (Hungary, Canada) 143
Motoneurone recruitment is altered with pain induced in non-muscular tissue
K.J. Tucker, P.W. Hodges (Australia) 151
Neuropathic pain behaviours in a chronic-relapsing model of experimental autoimmune encephalomyelitis (EAE)
C.J. Olechowski, J.J. Truong, B.J. Kerr (Canada) 156
Do burn injuries during infancy affect pain and sensory sensitivity in later childhood?
I. Wollgarten-Hadamek, J. Hohmeister, S. Demirakça, K. Zohsel, H. Flor, C. Hermann (Germany) 165
Pain in Parkinson's disease: Prevalence and characteristics*
A.G. Beiske, J.H. Loge, A. Rønningen, E. Svensson (Norway) 173

CLINICAL NOTE

The R3 component of the electrically elicited blink reflex is present in patients with congenital insensitivity to pain
M.J. Téllez, F. Axelrod, H. Kaufmann (USA) 178

*An Editorial regarding this article can be found in this issue of *PAIN*

Number 3 – February 2009

OBITUARY

Mitchell B. Max (1949–2008)
R. Dubner, W. Maixner 181

EDITORIALS

Perspectives on hypervigilance
G.B. Rollman (Canada) 183
Joint degeneration and chronic pain: Still looking for the missing link
L.S. Stone (Canada) 185
Pain free and awake to enjoy it!
L. Jasmin, P.T. Ohara (USA) 187
Enhancing daily functioning with exposure and acceptance strategies: An important stride in the development of psychological therapies for pediatric chronic pain
T.M. Palermo (USA) 189

COMPREHENSIVE REVIEW

Basic and clinical aspects of gastrointestinal pain
C.H. Knowles, Q. Aziz (UK) 191

TOPICAL REVIEW

Ketamine for chronic non-cancer pain
R.F. Bell (Norway) 210

RESEARCH PAPERS

Perceived intensity and unpleasantness of cutaneous and auditory stimuli: An evaluation of the generalized hypervigilance hypothesis*
M. Hollins, D. Harper, S. Gallagher, E.W. Owings, P.F. Lim, V. Miller, M.Q. Siddiqi, W. Maixner (USA) 215
Unravelling the relationship between age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin Hartley guinea pigs*
J.J. McDougall, B. Andruski, N. Schuelert, B. Hallgrímsson, J.R. Matyas (Canada) 222
Genuine antihyperalgesia by systemic diazepam revealed by experiments in $GABA_A$ receptor point-mutated mice*
J. Knabl, U.B. Zeilhofer, F. Crestani, U. Rudolph, H.U. Zeilhofer (Switzerland, Germany, USA) 233
5-HT_7 receptor activation inhibits mechanical hypersensitivity secondary to capsaicin sensitization in mice
A. Brenchat, L. Romero, M. García, M. Pujol, J. Burgueño, A. Torrens, M. Hamon, J.M. Baeyens, H. Buschmann, D. Zamanillo, J.M. Vela (Spain, France) 239
Evaluating the effectiveness of exposure and acceptance strategies to improve functioning and quality of life in longstanding pediatric pain – A randomized controlled trial*
R.K. Wicksell, L. Melin, M. Lekander, G.L. Olsson (Sweden) 248
Area-specific representation of mechanical nociceptive stimuli within SI cortex of squirrel monkeys
L.M. Chen, R.M. Friedman, A.W. Roe (USA) 258

Differential effects of the cannabinoid receptor agonist, WIN 55,212-2, on lamina I and lamina V spinal trigeminal nucleus caudalis neurons
A. Ogawa, I.D. Meng (Japan, USA) 269
Examination of the photograph series of daily activities (PHODA) scale in chronic low back pain patients with high and low kinesiophobia
Z. Trost, C.R. France, J.S. Thomas (USA) 276
Local peripheral opioid effects and expression of opioid genes in the spinal cord and dorsal root ganglia in neuropathic and inflammatory pain
I. Obara, J.R. Parkitna, M. Korostynski, W. Makuch, D. Kaminska, B. Przewlocka, R. Przewlocki (Poland) 283
Peripheral anti-nociceptive effect of nociceptin/orphanin FQ in inflammation and stress-induced colonic hyperalgesia in rats
S. Agostini, H. Eutamene, M. Broccardo, G. Improta, C. Petrella, V. Theodorou, L. Bueno (France, Italy) 292

CLINICAL NOTE

Acute, localised paroxysmal pain as the initial manifestation of focal seizures: A case report and a brief review of the literature
G. Charlesworth, I. Soryal, S. Smith, S.M. Sisodiya (UK) 300

Author Index to Volume 141 306

Subject Index to Volume 141 309

Contents to Volume 141 315

*An Editorial regarding this article can be found in this issue of *PAIN*